P.03
Mar. 21. 3:27PM Print Time
Mar. 21. 2:57PM Received Time
2622947

FIG. 1

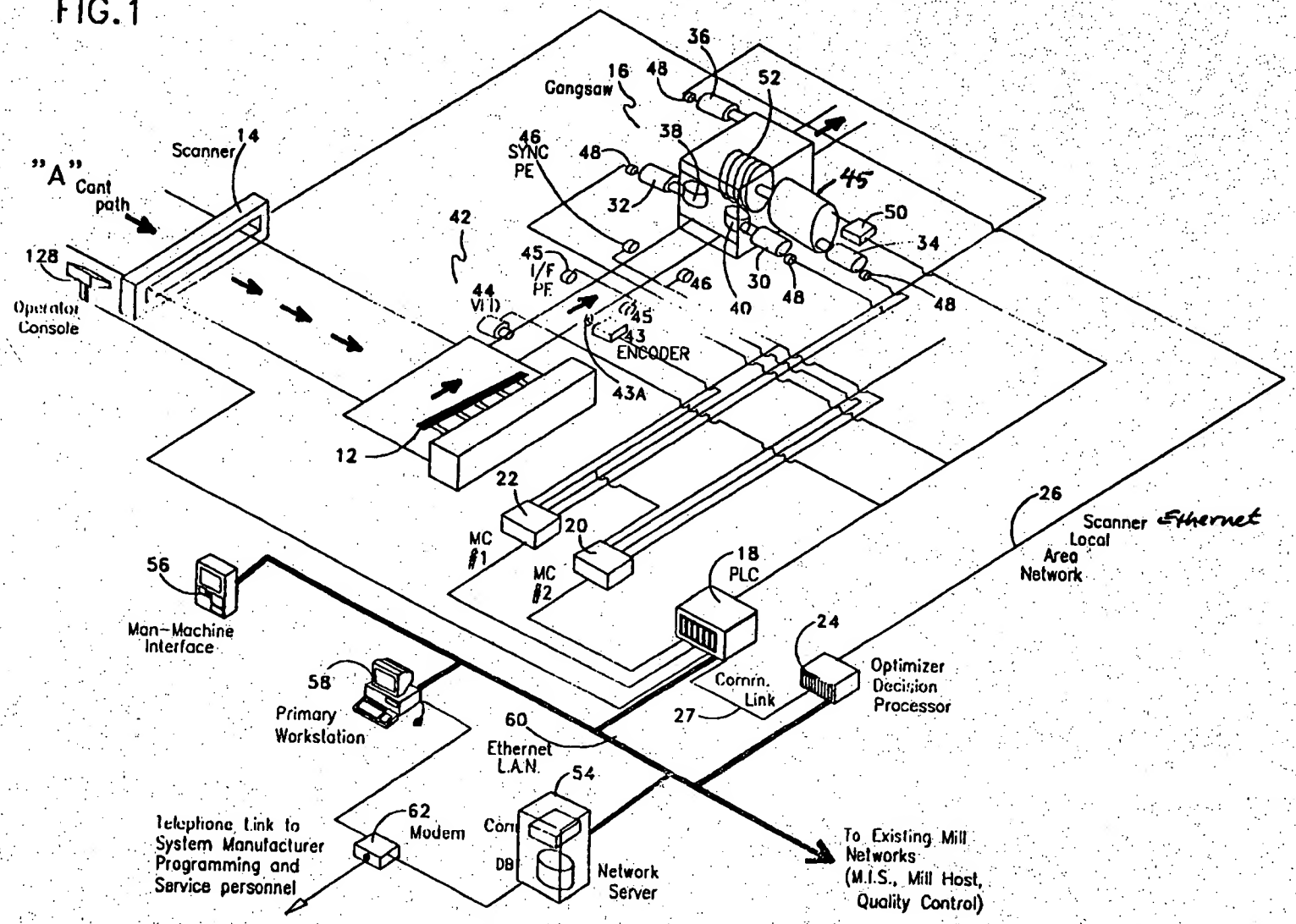
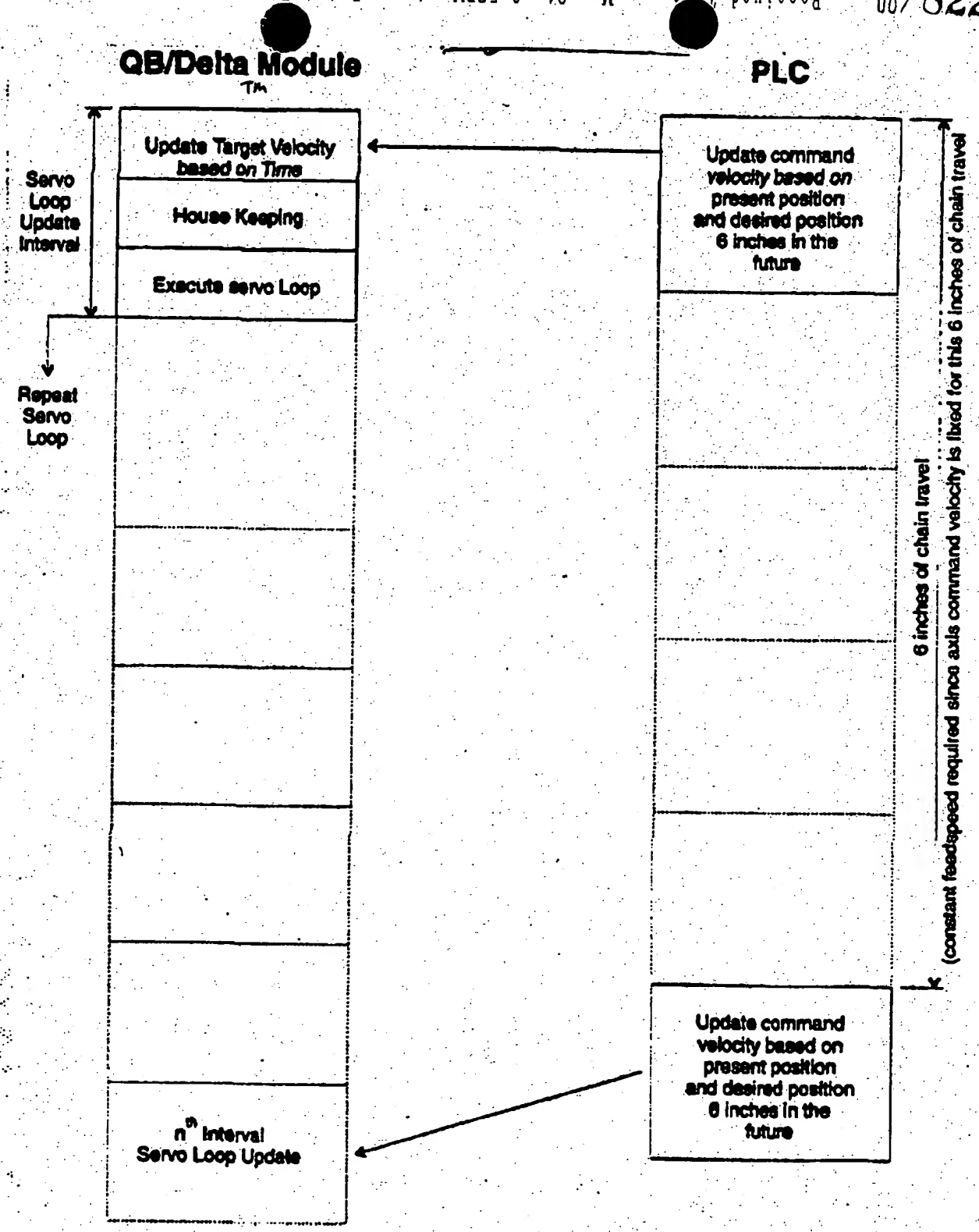


Fig. 1a

08822947 032197

Received Time Mar. 21. 2:57PM Print Time Mar. 21. 3:26PM



NOTE: This drawing depicts functionality only.

This is not an exact representation of the task divisions within the motion controller

FIG 2

P.05

Received Time Mar. 21. 2:57PM Print Time Mar. 21. 3:26PM

FIG. 3

P.06

Received Time Mar. 21. 2:57PM Print Time Mar. 21. 3:26PM

09/822947

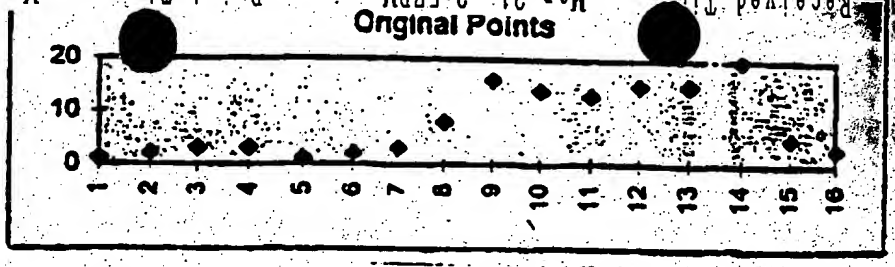


FIG. 4a

1. Generate Polynomial

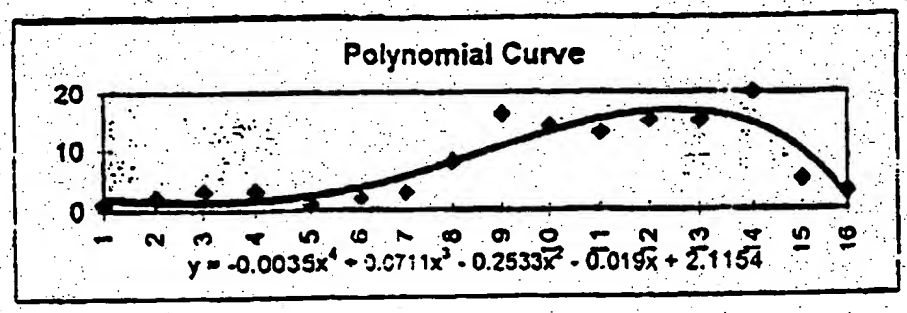


FIG. 4b

2. Calculate discrete points

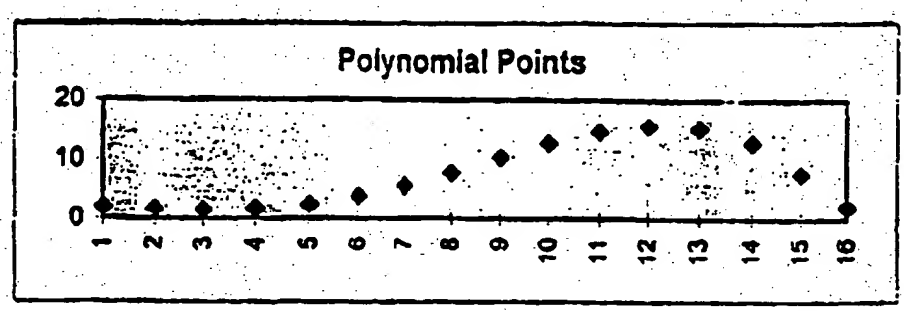


FIG. 4c

3. Apply machine constraints

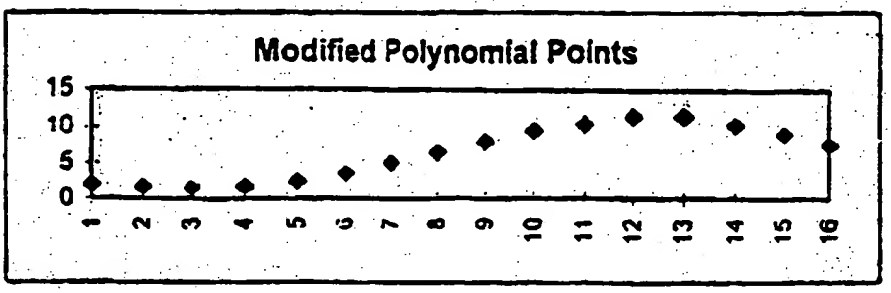


FIG 4d

4. Re-generate polynomial

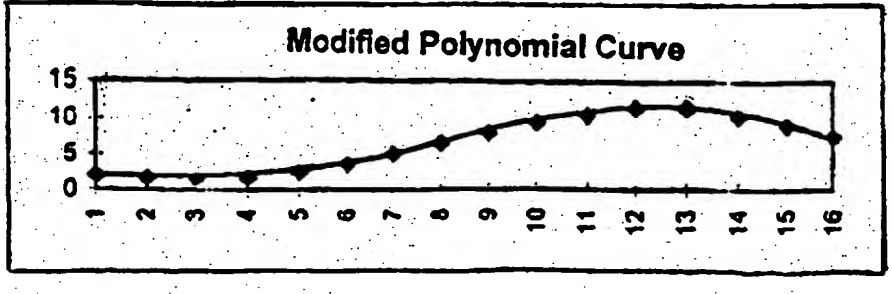


FIG. 4e

P.07

Received Time Mar. 21. 2:57PM Print Time Mar. 21. 3:26PM

MC Motion Control

NOTE: This drawing depicts functionality only.

This is not an exact representation of the task divisions within the motion controller

FIG 5a

08/822947 960321 PCTUS9603680

FIG.5b

5,756,980

26T2EO" 4h622880

P.10

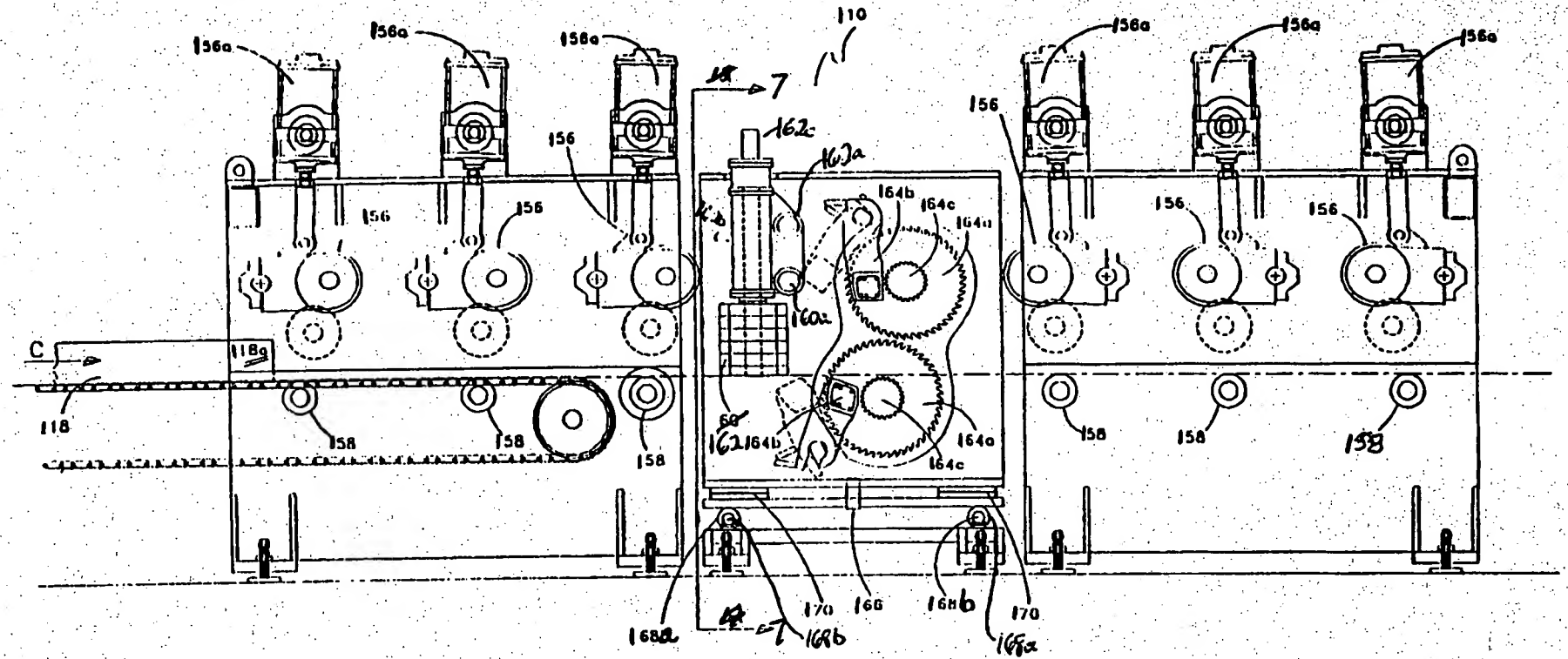
10:09 852 3937

Mar.21.13:26PM Print Time

Mar. 21. 2:57PM Received Time

08/822947

FIG. 6



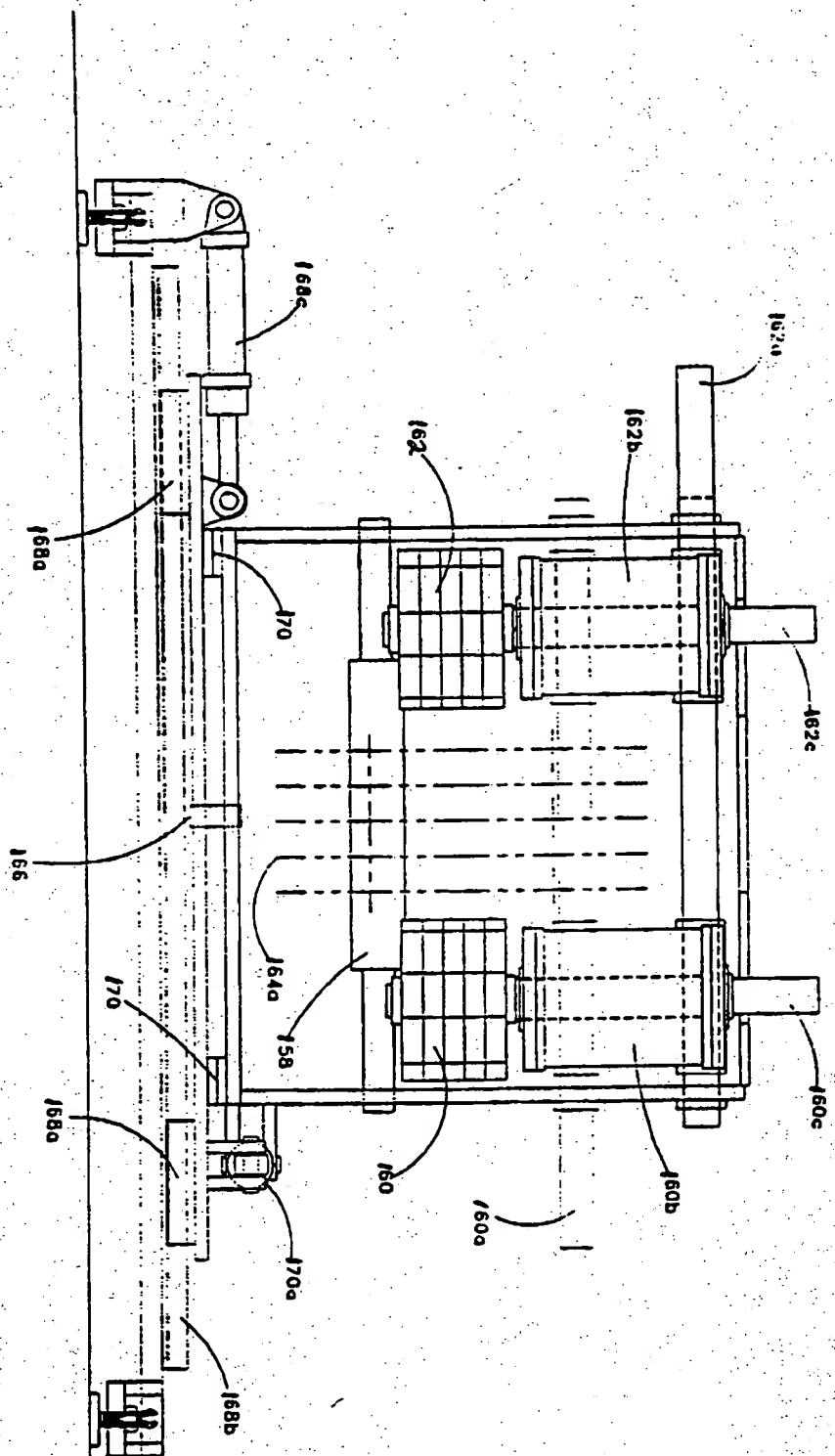


FIG. 7

08/822947

FIG. 8

03-21-97 12:12 BISHOP COMPANY, ID=604 862 3937 P.12

Received Time Mar. 21. 2:57PM Print Time Mar. 21. 3:25PM

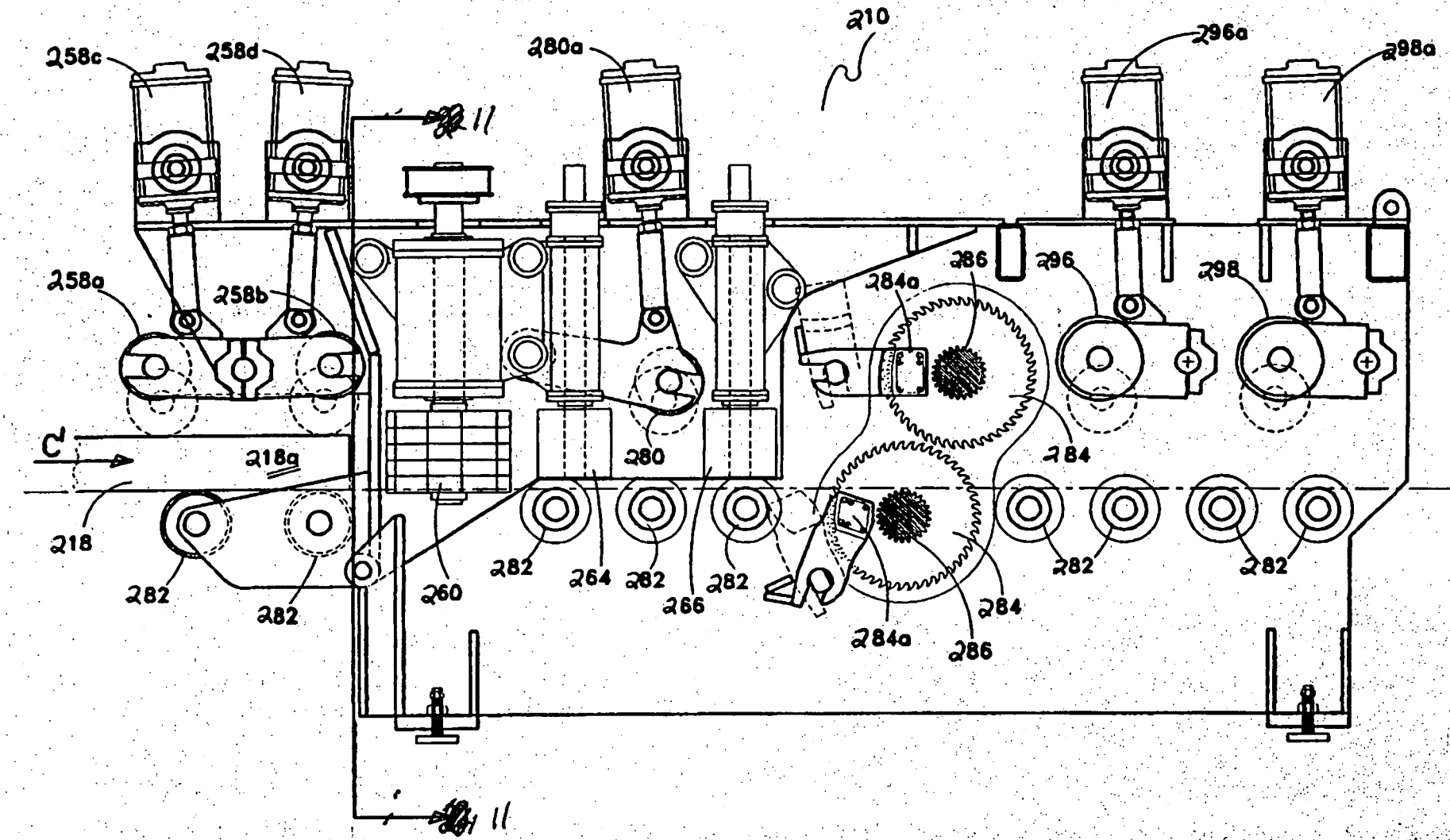
03-21-97 12:13 BISHOF COMPANY. ID=604 882 3937 P.13

FIG. 1a

FIG. 1

26T2E0 2462880

FIG. 10



P.14
10584 882 3937
03-21-97 14:14 BIOGUP CORPORATE
Mar. 21. 2:57PM Print Time Mar. 21. 3:25PM
Received Time

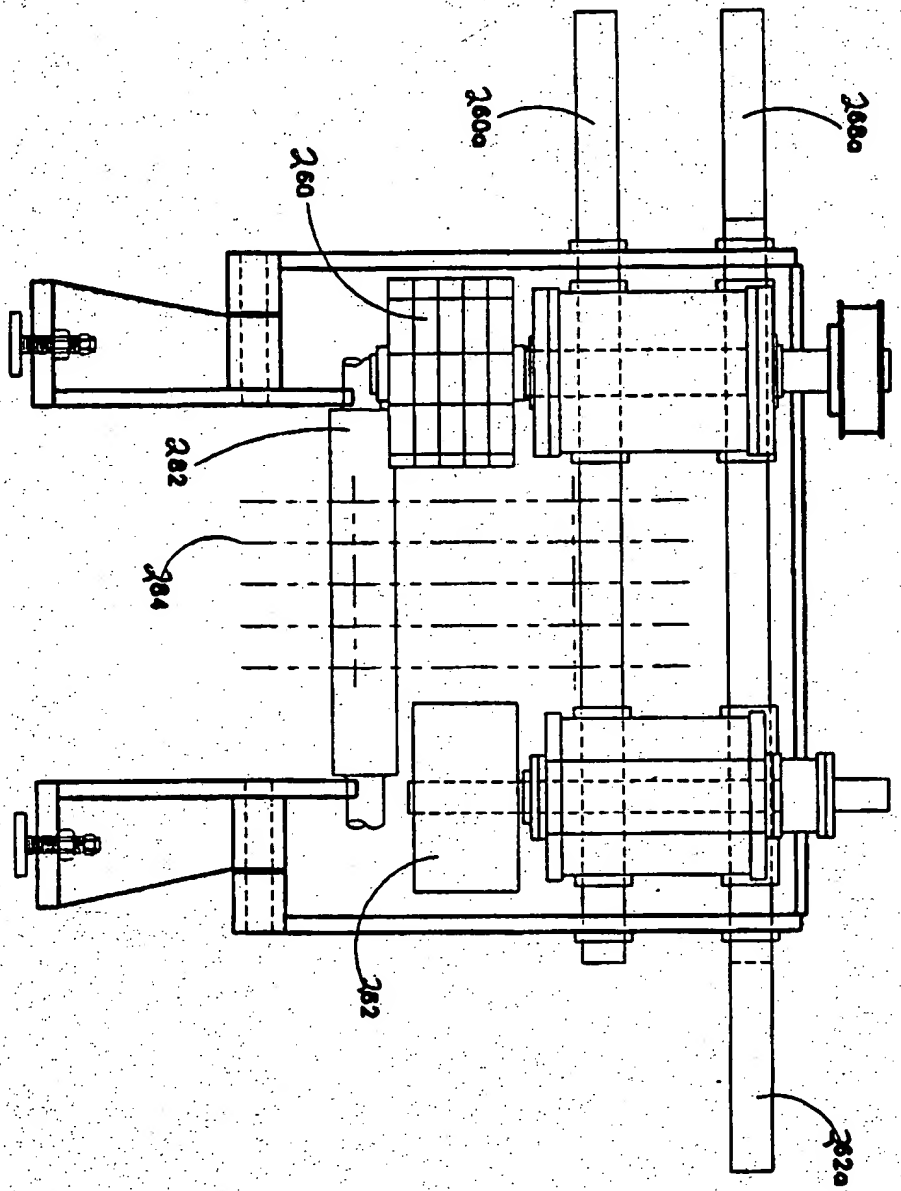


FIG. 2B

08/822947

FIG 12

08/822947

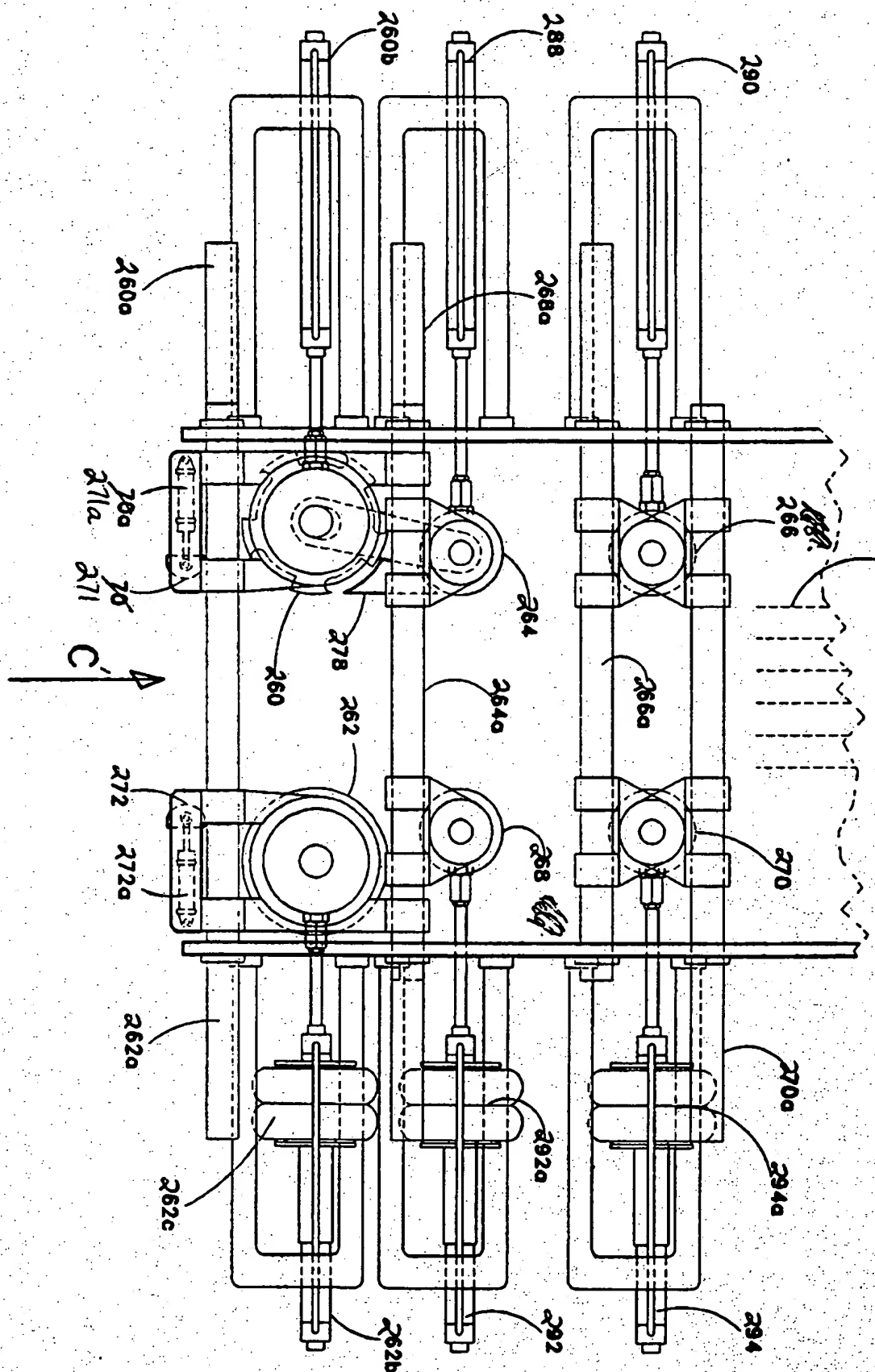


FIG 13

08/822947

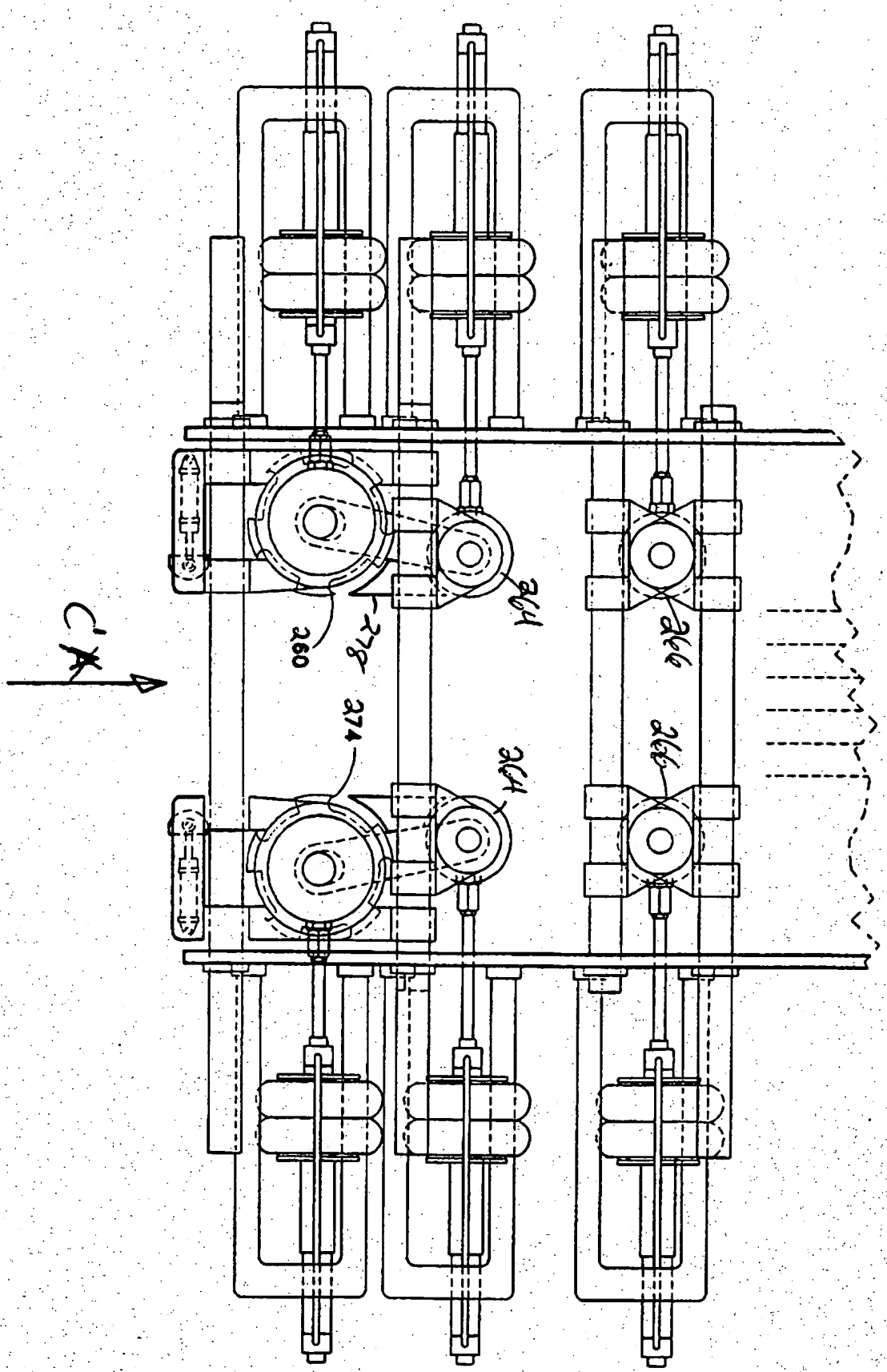


FIG 2B

08/822947

Received Time Mar. 21. 2:57PM Print Time Mar. 21. 3:24PM

FIG 15

Received Time Mar. 21. 2:57PM Print Time Mar. 21. 3:23PM

16
FIG. 2A

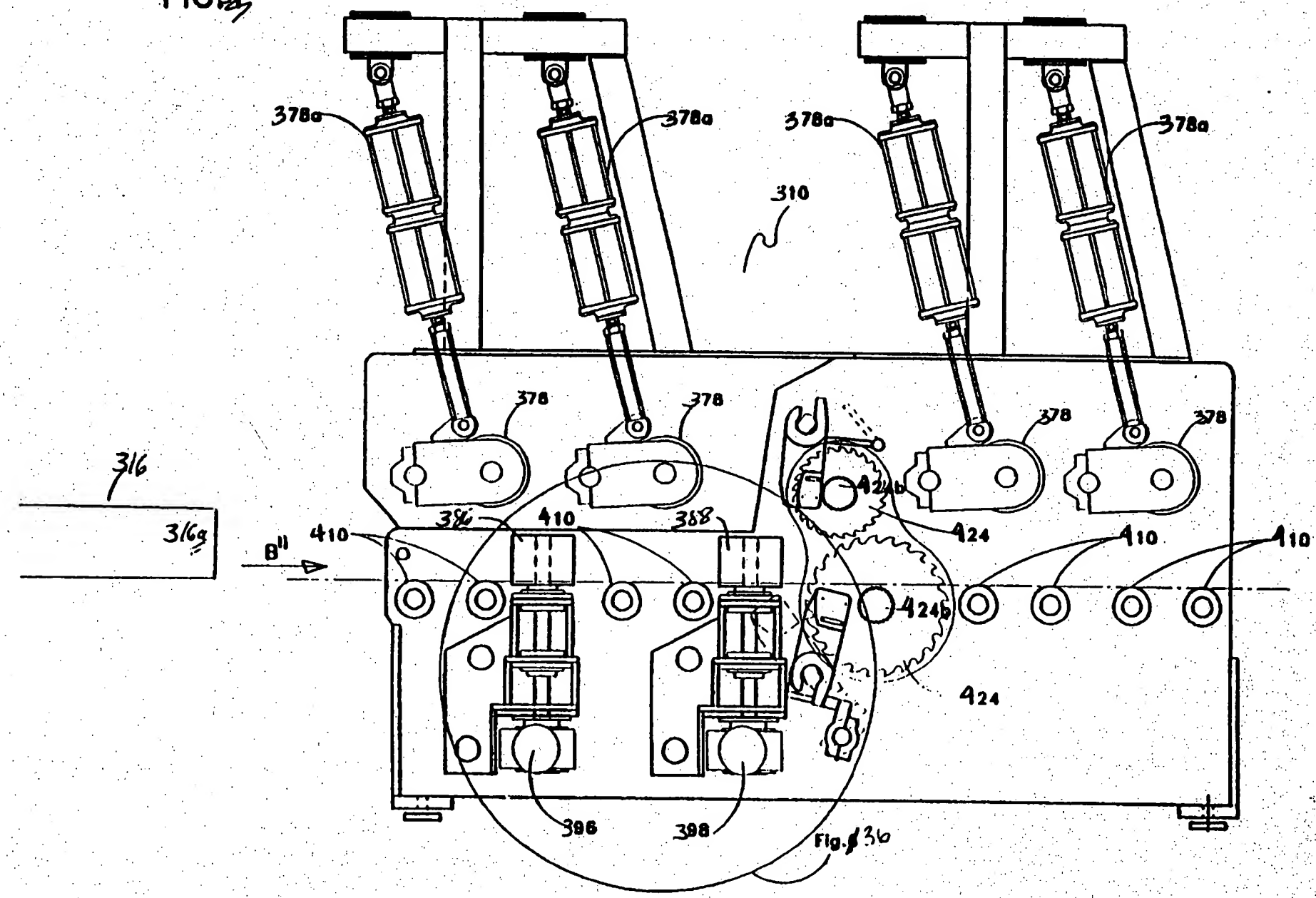
16a
FIG. 2B

03-21-97 12:26 BISHOF COMPANY. ID=864 862 3937 P.26

2672E0 "2h623880

17

FIG 16



03-21-97 12:21 BISHOP COMPANY. ID=604 862 3937 P.21

Mar. 21. 2:57PM Received Time

Mar. 21. 3:23PM Print Time

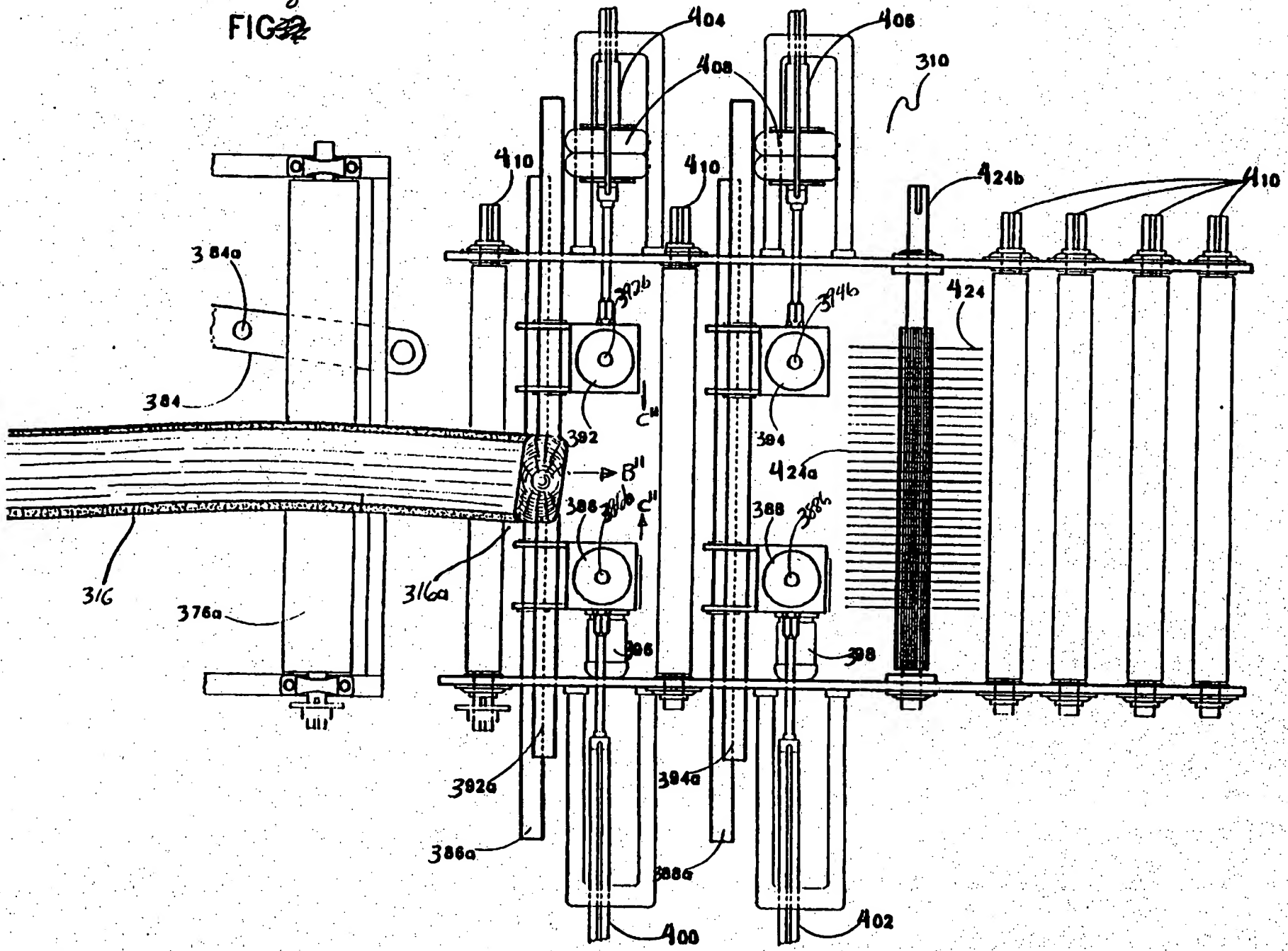
08/822947

03-21-97 12:22 BISHOP COMPANY. 10=694 862 3937 P.22

Received Time Mar. 21. 2:57PM - Print Time Mar. 21. 3:23PM

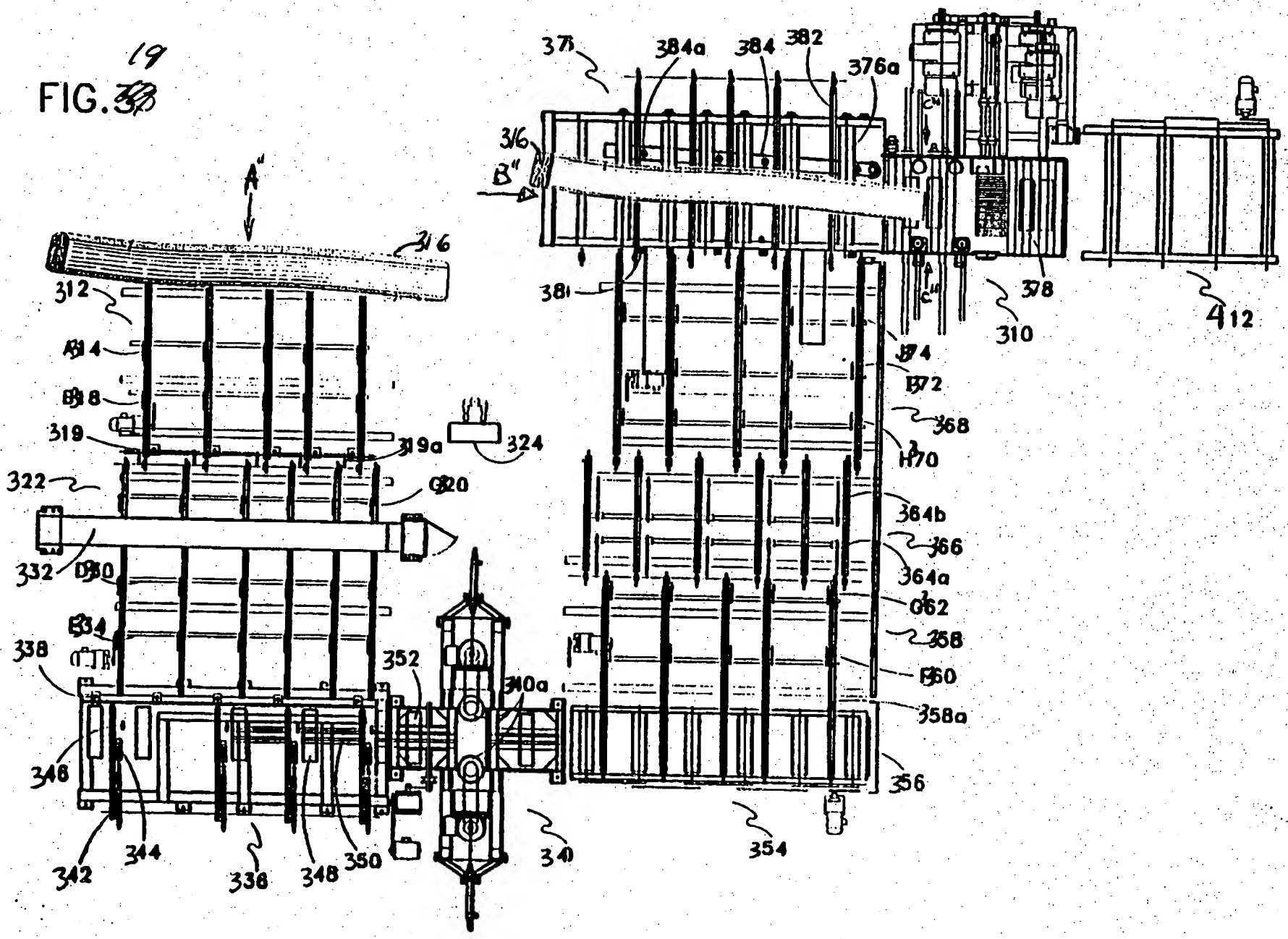
08/822947

FIG 8



P.23
ID=604 862 3937
03-21-97 12:23 BISHOP COMPANY.
Received Time Mar. 21. 2:57PM Print Time Mar. 21. 3:23PM
08/822947

FIG. 19



0 5 7 2 6 0 · 4 7 6 2 2 8 8 0

FIG 3a

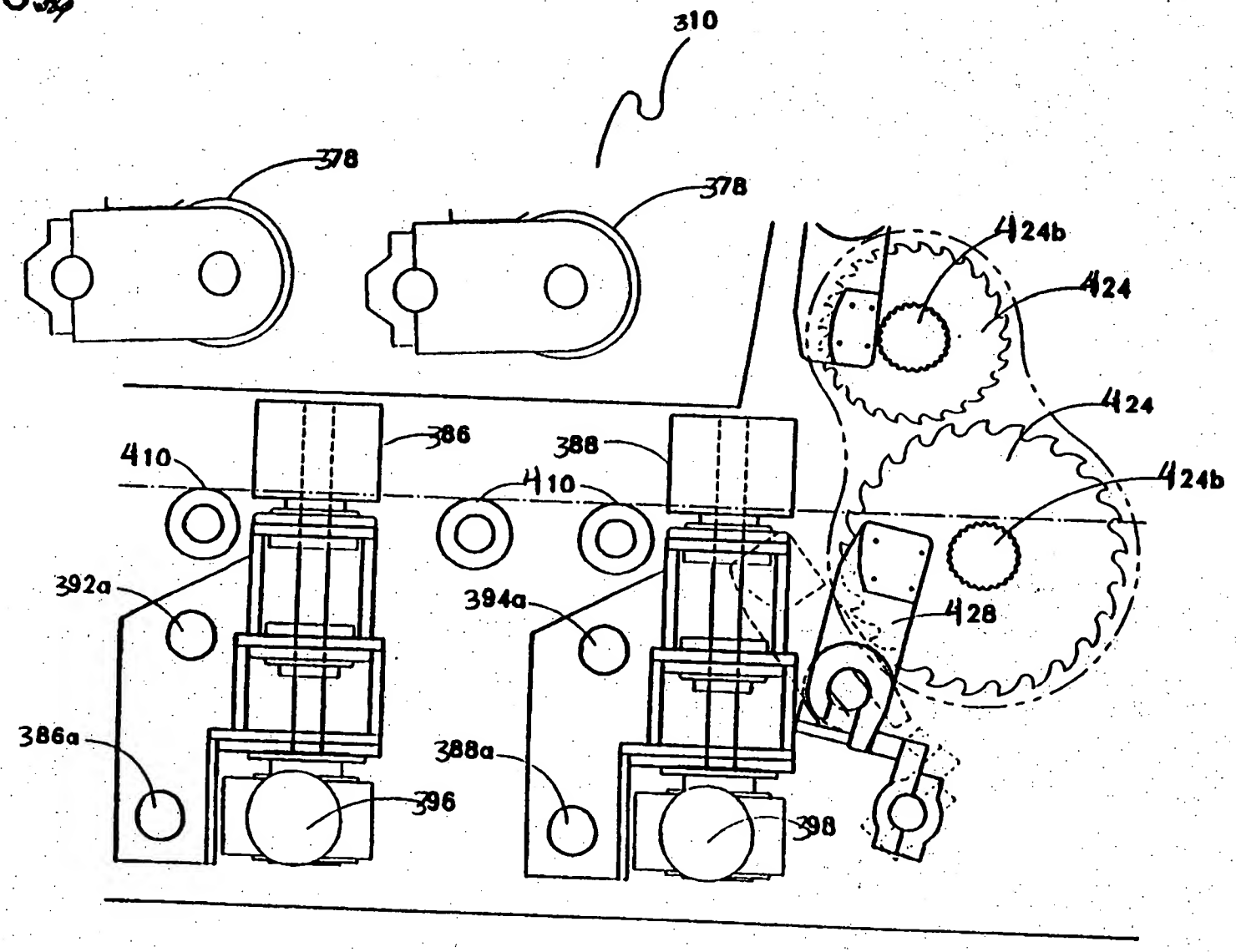
FIG 3

Received Time Mar. 21. 2:57PM Print Time Mar. 21. 3:22PM

FIG 27

26T2EO" 24622880

FIG 3



Received Time Mar. 21. 2:57PM Print Time Mar. 21. 3:22PM 08/822947